Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/14/2021 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124871	-1	1.16	124782	1.15
Blue	F	SSC	125000	124843	-1	2.28	125225	2.18
Blue	E	FITC	13131	12755	-3	2.18	294	15.11
Blue	D	PE	24112	23873	-1	1.58	548	10.84
Blue	B	PerCP-Cy5-5	31295	30811	-2	2.92	1017	14.60
Blue	A	PE-Cy7	19939	19822	-1	5.20	528	29.73
Red	C	APC	42122	41627	-2	2.95	1744	11.55
Red	A	APC-Cy7	22340	21532	-4	3.48	808	11.46
Violet	B	V450	7410	7020	-6	3.78	424	12.42
Violet	A	V500	28118	26622	-6	3.38	661	9.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23102	0.98	569	0	N/A	N/A	Pass
Blue	F	SSC	58239	1.10	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0467	162	Pass
Blue	D	PE	114	37.07	489	1	0.3870	279	Pass
Blue	B	PerCP-Cy5-5	190	35.67	585	-1	0.0195	54	Pass
Blue	A	PE-Cy7	107	67.21	628	0	0.0208	0	Pass
Red	C	APC	405	23.74	578	2	0.0265	118	Pass
Red	A	APC-Cy7	181	28.05	552	1	0.0069	1700	Pass
Violet	B	V450	60	60.89	454	1	0.0612	2038	Pass
Violet	A	V500	95	34.98	465	0	0.0269	975	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.48	1.08
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.20	13.60 - 20.40	N/A	N/A	29.76	30.08	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 13471

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments